

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

APRIL 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Selection of lumber for farm and home building. C. V. Sweet and R. P. A. Johnson, Forest Service. 46 p., illus. (F. B. 1756F.) Price, 5¢.

Meets the need and demand for a simple, straightforward classification of wood, especially at this time of greatly increased building activity. The classification is simple and applies to average typical conditions under which wood serves in a particular use. No attempt has been made to draw fine distinctions between woods. Neither is it to be inferred that all woods in the same class are equally suitable.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

The flour beetles of the genus Tribolium. Newell E. Good, Bureau of Entomology and Plant Quarantine. 58 p., illus. (T. B. 498T.) Price, 10¢.

These insects are very hardy and able to subsist on any of a wide variety of foodstuffs, and through a world-wide commerce have been transported to regions which otherwise they might never have reached. Thus there are today not only records of their occurrence but numerous references to their destructiveness from practically every civilized country in the world.

The cooking quality, palatability, and carbohydrate composition of potatoes as influenced by storage temperature. R. C. Wright, Walter M. Peacock, and T. M. Whiteman, Bureau of Plant Industry; and Elizabeth Fuller Whiteman, Bureau of Home Economics. 20 p. (T. B. 507T.) Price, 5¢.

These tests included baking, boiling, steaming, chip making, and French frying various lots of potatoes and carefully judging the resultant products as to flavor, appearance, and other important characteristics. In the last lot of potatoes to be studied, periodic samples were taken for carbohydrate analyses.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Speeding up flowering in the daffodil and the bulbous iris. David Griffiths, Bureau of Plant Industry. 18 p., illus. (Cir. 367C.) Price, 5¢.

This report contains an account of a few selected experiments which demonstrate the behavior of stocks subjected to the treatments designed to flower them early or preserve them for opening later than the dates at which it is customary to flower them when planted at the usual season.

Erosion control on mountain roads. Charles J. Kraebel, Forest Service. 45 p., illus. (Cir. 380C.) Price, 10¢.

The purpose of this circular is threefold: (1) To call attention to the seriousness of the problem; (2) to indicate preventive measures which can be incorporated in the planning and building of roads; and (3) to describe corrective measures which are applicable particularly to California conditions.

Market classes and grades of lambs and sheep. L. B. Burk, C. E. Gibbons, and M. T. Foster, Bureau of Agricultural Economics. 35 p., illus. (Cir. 383C.) Price, 10¢.

A well-defined and all-inclusive set of standards for classifying and grading sheep and lambs. Trading would be seriously hampered, and fraught with misunderstandings and misconceptions on the part of the interests involved were it not for definite standards set forth by the Government.

Making and using peanut butter. W. R. Beattie, Bureau of Plant Industry. 14 p., illus. (Cir. 384C.) Price, 5¢.

This publication discusses the manufacture of peanut butter from the roasting operation through its successive stages to the finished product. Included are many recipes showing the wide range of uses of peanut butter.

New sugar-beet varieties for the curly-top area. Bureau of Plant Industry. 5 p., illus. (Cir. 391C.) Price, 5¢.

The partial control of curly top through the use of the resistant varieties here described will permit the continuance of the beet industry in many regions where its existence has been threatened. Moreover it will now be possible for sugar-beet growing to be resumed in large areas from which the industry has been driven by the disease.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Forecasting from synoptic weather charts. Richard Hanson Weightman, Weather Bureau. 47 p., illus. (M. P. 236MP.) Price, 5¢.

This publication has been prepared primarily to serve the needs of those who have a working knowledge of meteorology and are beginning to make deductions from synoptic weather charts. It is not a complete treatment of the subject nor does it contain any new principles.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Bureau of Animal Industry, Service and Regulatory Announcements. March 1936. Pp. 25-33. (S. R. A.—B. A. I.) Price, 5¢ each.¹

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements. October-December 1935. Pp. 71-104. (S. R. A.—B. E. P. Q. no. 125.)¹

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 201-236. (N. J., F. D. 24401-24500). Foods; pp. 279-307 (N. J., F. D. 24551-24625). Foods; pp. 309-362. (N. J., F. D. 24626-24700). Drugs; pp. 363-404. (N. J., F. D. 24701-24800). Foods. Price, 5¢ each.²

Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp 229-258. (N. J., I. F. 1376-1425).¹

SOIL SURVEYS

These reports consist of two parts: (1) a soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Michigan, Oscoda County. (No. 20, series 1931.) 42 p., illus. Price, 30¢.

Minnesota, Hubbard County. (No. 38, series 1930.) 33 p., illus. Price, 30¢.

South Carolina, Dillon County. (No. 17, series 1931.) 54 p., illus. Price, 35¢.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

Parasites and parasitic diseases of swine in Puerto Rico. H. L. Van Volkenberg. 14 p., illus. (P. R. Bull. 38.) Price, 5¢.

The most serious diseases affecting swine in Puerto Rico seem to be hog cholera, intestinal disorders (enteritis), and parasitic infestations. This publication describes the internal and external parasites and gives, in addition to preventive measures, methods for treating the swine infested with parasites.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 4, April 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Crops and markets. Vol. 13, no. 3, March 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 74, no. 4, April 1936. Price, \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.50 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 7, no. 4, April 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 90¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢ domestic; 20¢ foreign. Reprints, 5¢ domestic; 8¢ foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Journal of agricultural research (Cont.)

— Vol. 52, no. 3, February 1, 1936. Illus.

Contents:

- Life history of *Agamermis decaudata*, a nematode parasite of grasshoppers and other insects (G-990). J. R. Christie.
Chromosome differences in a wheat-rye amphidiploid (G-997). V. H. Florell.
Phytophthora rot of sugar beet (Calif.-74). C. M. Tompkins, B. L. Richards, C. M. Tucker, and M. W. Gardner.
Histological study of tissues from greenhouse tomatoes affected by blotchy ripening (Mich.-29). H. L. Seaton and G. F. Gray.
The progress of the distribution of salt in ham during the curing process (Pa.-53). E. C. Miller and P. T. Ziegler.
The effect of freezing on the physical and microscopic character of gels of corn and wheat starches (Ill.-61). Sybil Woodruff and Henrietta Hayden.

— Vol. 52, no. 4, February 15, 1936. Illus.

Contents:

- Water soaking of leaves in relation to development of the wildfire disease of tobacco (G-993). E. E. Clayton.
Behavior of the ordinary tobacco mosaic virus in the soil (Wis.-75). Ism   A. Hoggan and James Johnson.
Growth, chemical composition, and efficiency of normal and mosaic potato plants in the field (Vt.-6). Winona E. Stone.
Origin and production of morphologic and pathogenic strains of the oat smut fungi by mutation and hybridization (G-998). C. S. Holton.

— Vol. 52, no. 7, April 1, 1936. Illus.

Contents:

- The effect of different colloidal soil materials on the toxicity of calcium arsenate to millet (E-66). Philip L. Gile.
The effectiveness of various arsenicals in destroying larvae of the Japanese beetle in *Sassafras* sandy loam (K-265). Walter E. Fleming and Francis E. Baker.
Errors of routine analysis for percentage of sucrose and apparent purity coefficient with sugar beets taken from field experiments (G-1000). F. R. Immer and E. L. LeClerg.
Availability of the copper of bordeaux mixture residues and its absorption by the conidia of *Sclerotinia fructicola* (G-1002). M. C. Goldsworthy and E. L. Green.
Inheritance of chlamydospore characteristics in oat smut fungi (G-1003). C. S. Holton.
Penetration of *Trichoderma lignorum* into sapwood of *Pinus taeda* (G-1007). Mae Spradling.
Relative resistance to bacterial wilt of certain commercial and selected lots of alfalfa (G-1008). J. L. Weimer and B. A. Madson.

Monthly weather review. Vol. 64, no. 1, January 1936. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Soil conservation. Vol. 1, no. 9, April 1936. Price, 10¢ a copy; \$1 a year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 14-17, April 7-28, 1936. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.